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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	1
10/790,401	03/01/2004	Ming Li	MATG-401US	1061	
23122 75	0 11/29/2005		EXAMINER		
RATNERPRE P O BOX 980	ESTIA		ELVE, MARIA ALEXANDRA		
	GE, PA 19482-0980		ART UNIT	PAPER NUMBER	
	,		1725	-	

DATE MAILED: 11/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
Office Action Commons	10/790,401	LI ET AL.						
Office Action Summary	Examiner	Art Unit						
	M. Alexandra Elve	1725	<u></u>					
 The MAILING DATE of this communication app Period for Reply 	ears on the cover sheet with the d	correspondence a	ddress					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) Responsive to communication(s) filed on								
2a) This action is FINAL . 2b) This	action is non-final.							
3) Since this application is in condition for allowar	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4) Claim(s) 1-85 is/are pending in the application.								
4a) Of the above claim(s) is/are withdraw	vn from consideration.							
5) Claim(s) is/are allowed.								
6) Claim(s) is/are rejected.								
7) Claim(s) is/are objected to.								
8) Claim(s) <u>1-85</u> are subject to restriction and/or e	election requirement.							
Application Papers								
9) The specification is objected to by the Examiner	·.							
10) The drawing(s) filed on is/are: a) acce		Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P	TO-152.					
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).						
 a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 								
		on No						
 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage 								
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)								
Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Do 5) Notice of Informal P	ate	O-152)					
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	акент друшации (РТ	- -132)					
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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-12, drawn to method of manufacturing a quantum electronic device, classified in class 219, subclass 121.61.
- II. Claims 13-24, drawn to method of manufacturing a micro-optical device, classified in class 219, subclass 121.6.
- III. Claims 25-37, drawn to method of manufacturing a micro-mechanical oscillator, classified in class 219, subclass 121.67.
- IV. Claims 38-48, drawn to method of manufacturing a mold for a microstructure, classified in class 219, subclass 121.68.
- V. Claims 49-57, drawn to method for forming defect in a photonic crystal, classified in class 219, subclass 121.65.
- VI. Claims 58-69, drawn to method of mass customizing a plurality of microstructures with a laser, classified in class 219, subclass 121.6.
- VII. Claims 70-81, drawn to method of repairing a microstructure with a laser, classified in class 219, subclass 121.63.
- VIII. Claims 82-85, drawn to method of pre-calibration of a laser micromachining system, classified in class 219, subclass 121.6.

The inventions are distinct, each from the other because of the following reasons:

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Inventions I-VIII are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions are (i) a method of manufacturing a quantum electronic device, (ii) a method of manufacturing a micro-optical device, (iii) method of manufacturing a micro-mechanical oscillator, (iv) method of manufacturing a mold for microstructures, (v) a method for forming a defect in a photonic crystal, (vi) a method for mass customizing a plurality of microstructures with a laser, (vii) a method for repairing a microstructure with a laser and (viii) a method for pre-calibration of a laser micromachining system.

Because these inventions are distinct for the reasons given above and the search required for one of the above Groups is not required for one of the other above Groups, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

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or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by

a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to M. Alexandra Elve whose telephone number is 571-272-

1173. The examiner can normally be reached on 6:30-3:00 Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Tom Dunn can be reached on 571-272-1171. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

November 28, 2005.

M. Alexandra Elve

Primary Examiner 1725

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